

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	1	(11/398234).APP.	US_PGPUB; USOCR	AND	OFF	2009/11/27 09:16
L12	7342	361/700,704,707,717,719.ccls.	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/27 11:44
L13	11	12 (carrier adj4 (circuit or device)) (thermal\$2 or electr\$4 adj3 (layer or coat\$3)) (thermal\$2 or electr\$4 adj3 (conduct\$4)) (electr\$4 adj3 (layer or coat\$3))	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/27 11:45
L14	267	12 (substrate or board or pcb adj4 (circuit or device)) (thermal\$2 or electr\$4 adj3 (layer or coat\$3)) (thermal\$2 or electr\$4 adj3 (conduct \$4)) (electr\$4 adj3 (layer or coat\$3))	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/27 11:46
L15	149	14 (coat\$3 or multilayer adj3 (carrier or pcb or board or substrate))	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/27 11:47
L16	149	15 (electr\$4 or current adj3 (path))	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/27 11:47
L17	3	16 (multilayer adj3 (thermal\$2 or insulat\$3 or dielectric\$3))	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/27 11:48
S1	19	((INGO) near2 (SPEI ER)).INV.	US_PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 11:05
S2	20	("20010046652"   "20030179548"   "20040040695"   "20040120162"   "20040141326"   "20050231983"   "4106188"   "4322737"   "5216580"   "5903583"   "6150716"   "6159764"   "6194246"   "6540525"   "6573536"   "6606251"   "6661544"   "6678168"   "6976769"   "6991356").PN.	US_PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 11:08

S3	0	((HW) near2 (CHEN)).INV.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 11:28
S4	44	("20010046652"   "20030179548"   "20040040695"   "20040120162"   "20040141326"   "20050231983"   "4106188"   "4322737"   "5216580"   "5903583"   "6150716"   "6159764"   "6194246"   "6540525"   "6573536"   "6606251"   "6661544"   "6678168"   "6976769"   "6991356").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/11/25 11:28
S5	57	(tir adj2 (systems or technology)) electr\$4 (insulat\$3 or thermal\$2 adj2 (conduct\$4)) (insulat\$3 or thermal\$2 adj2 (layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 11:36
S6	0	("2008/0239675").URPN.	USPAT	AND	OFF	2009/11/25 11:40
S7	3	"2004038759"	DERWENT	AND	OFF	2009/11/25 11:45
S8	3	"2003081127"	DERWENT	AND	OFF	2009/11/25 11:45
S9	4	"2004011848"	DERWENT	AND	OFF	2009/11/25 11:46
S10	1	"5216580"	DERWENT	AND	OFF	2009/11/25 11:46
S11	15	"7078254" or "7505268" or "20030058650"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 11:47
S12	2	"200500083698" or "20060192222"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/11/25 12:23
S13	345	zampini.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/11/25 12:24
S14	21	S13 electr\$4 (insulat\$3 or thermal\$2 adj2 (conduct\$4)) (insulat\$3 or thermal\$2 adj2 (layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 12:24
S15	0	"200500083698"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/11/25 12:26

S16	3	"20050083698"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/11/25 12:28
S17	1	(10/941081).APP.	USPAT; USOCR	AND	OFF	2009/11/25 12:28
S18	7	("6541800"   "6799864"   "6897486").PN. OR ("7198386"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 12:28
S19	249	("20010046652"   "20020014864"   "20020048295"   "20020051367"   "20020054615"   "20020115037"   "20020133970"   "20020151941"   "20020172914"   "20020172918"   "20020177096"   "20020181947"   "20020187454"   "20030000213"   "20030015667"   "20030036031"   "20030218880"   "20030219693"   "20040005524"   "20040026706"   "20040029069"   "20040032728"   "20040043351"   "20040070990"   "20040090794"   "20040185413"   "20050003322"   "20050077865"   "20050082989"   "20050093506"   "20050096661"   "20050099824"   "20050116176"   "20050142514"   "20050158687"   "20050171408"   "20050196721"   "20050231983"   "20050236586"   "20050244993"   "20060024638"   "20060102917"   "20060188836"   "20070123957"   "3512027"   "3638013"   "3712984"   "3733481"   "3859536"   "3868513"   "3970856"   "4048490"   "4114274"   "4114946"   "4149086"   "4184196"   "4185891"   "4186748"   "4209907"   "4229658"   "4230453"   "4233649"   "4280273"   "4298806"   "4337759"   "4346329"   "4385344"   "4391588"   "4398885"   "4412134"   "4445858"   "4450139"   "4610630"   "4666406"   "4673353"   "4675785"   "4716296"   "4729076"   "4742432"   "4757381"   "4791634"   "4792692"   "4810194"   "4822335"   "4826431"   "4836782"   "4839566"   "4846546"   "4888489"   "4901324"   "4935665"   "4936808"   "4948215"   "4963798"   "4999310"   "5003434"   "5007837"   "5017140"   "5029335"   "5029957"   "5046840"   "5070258"   "5115761"   "5147204"   "5150016"   "5160200"   "5161879"   "5162696"   "5169632"   "5173810"). PN. OR ("5195102"   "5198678"   "5201655"   "5233283"   "5242602"   "5253260"   "5265792"   "5278629"   "5283425"   "5290169"   "5302124"   "5309457"   "5312249"   "5316473"	AND	OFF	2009/11/25 12:33	

		"5328368"   "5371753"   "5371826"   "5373114"   "5387800"   "5420768"   "5445608"   "5457611"   "5471129"   "5474449"   "5487662"   "5504764"   "5521392"   "5522225"   "5530632"   "5535230"   "5554855"   "5616141"   "5617492"   "5634711"   "5660461"   "5664042"   "5698866"   "5707139"   "5711665"   "5747363"   "5759032"   "5762867"   "5800478"   "5803729"   "5857767"   "5912470"   "5928220"   "5949805"   "5975895"   "6008264"   "6033223"   "6045240"   "6046460"   "6065965"   "6068474"   "6077073"   "6086367"   "6095812"   "6102696"   "6113212"   "6123545"   "6155823"   "6159005"   "6161937"   "6168431"   "6171105"   "6171331"   "6186786"   "6193510"   "6200134"   "6208788"   "6220722"   "6280187"   "6280188"   "6285476"   "6331111"   "6345982"   "6350041"   "6371636"   "6379149"   "6398383"   "6402347"   "6419483"   "6439888"   "6468077"   "6492725"   "6511317"   "6523959"   "6535533"   "6558829"   "6638063"   "6676306"   "6683421"   "6692250"   "6692251"   "6692252"   "6695614"   "6702576"   "6709128"   "6719558"   "6719559"   "6737681"   "6755647"   "6755648"   "6755649"   "6780010"   "6783362"   "6799967"   "6824294"   "6827468"   "6876681"   "6910886"   "6918762"   "6926524"   "6929472"   "6932599"   "6932600"   "6953340"   "6955537"   "6969180"   "6969253"   "6971875"   "6971876"   "6974319"   "6979193"). PN. OR ("6979194"   "6981867"   "6986782"   "6988890"   "6988891"   "6991356"   "6991456"   "6994546"   "7001057"   "7033381"   "7066733"   "7135034"). PN. OR ("7540634"). URPN.				
S20	99	S19 electr\$4 (insulat\$3 or thermal\$2 adj2 (conduct\$4)) (insulat\$3 or thermal\$2 adj2 (layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 12:33

S21	90	( "20030030808"   "20030201451"   "20040041222"   "20040079957"   "20040131096"   "20040169451"   "20040169466"   "20040213016"   "20040222433"   "20050012108"   "20050045904"   "20050139846"   "20050158687"   "20050199884"   "20050221519"   "20050231983"   "20050269587"   "20060001384"   "20060017127"   "20060022214"   "20060083000"   "20060098439"   "20060105485"   "20060193139"   "20070090737"   "20070091618"   "20070189012"   "20070236935"   "20070253202"   "20070279909"   "20070297178"   "20080007955"   "20080013316"   "20080023720"   "20080043472"   "20080043479"   "20080055909"   "20080089070"   "4729076"   "4971142"   "5077587"   "5355942"   "5813753"   "5890794"   "6204523"   "6211626"   "6345903"   "6410982"   "6452217"   "6480389"   "6483705"   "6498355"   "6507159"   "6510995"   "6590235"   "6610563"   "6610598"   "6617795"   "6630801"   "6639360"   "6659578"   "6679315"   "6707069"   "6717362"   "6741351"   "6858870"   "6860621"   "6867929"   "6897486"   "6903380"   "6910794"   "6921929"   "6924514"   "6933535"   "6940704"   "6946714"   "6949771"   "6976769"   "6982522"   "6991356"   "6995402"   "7015516"   "7023022"   "7026657"   "7045905"   "7066733"   "7105858"   "7210832"   "7314291"   "7320593").PN. OR ("7505268"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 12:43
S22	134	( "20010007739"   "20010046652"   "20020014864"   "20020051367"   "20020133970"   "20030015667"   "20030036031"   "20030219693"   "3638013"   "3712984"   "3733481"   "3868513"   "3970856"   "4048490"   "4114274"   "4114946"   "4149086"   "4184196"   "4185891"   "4186748"   "4209907"   "4229658"   "4230453"   "4233649"   "4280273"   "4298806"   "4337759"   "4385344"   "4391588"   "4398885"   "4412134"   "4445858"   "4450139"   "4610630"   "4666406"   "4673353"   "4716296"   "4729076"   "4757381"   "4792692"   "4810194"   "4826431"   "4836782"   "4839566"   "4846546"   "4888489"   "4935665"   "4936808"   "4948215"   "4963798"   "4999310"   "5003434"   "5007837"   "5017140"   "5029957"   "5115761"   "5147204"   "5150016"   "5161879"   "5162696"   "5173810"   "5198678"   "5201655"   "5233283"   "5242602"	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 12:49

		"5265792"   "5278629"   "5283425"   "5290169"   "5302124"   "5312249"   "5316473"   "5328368"   "5371826"   "5373114"   "5420768"   "5457611"   "5471129"   "5487662"   "5521392"   "5530632"   "5535230"   "5616141"   "5617492"   "5634711"   "5660461"   "5664042"   "5698866"   "5707139"   "5711665"   "5747363"   "5759032"   "5803729"   "5857767"   "5912470"   "5928220"   "5975895"   "6008264"   "6033223"   "6045240"   "6046460"   "6065965"   "6068474"   "6077073"   "6086367"   "6095812"   "6102696"   "6123545"   "6155823"   "6159005"   "6161937"   "6168431"   "6171105"   "6186786"   "6193510"   "6200134"   "6208788"   "6220722"   "6280187"   "6280188"   "6331111"   "6345982"). PN. OR ("6379149"   "6419483"   "6439888"   "6468077"   "6692251"). PN. OR ("7066733").URPN.				
S23	1	(10/423140).APP.	USPAT; USOCR	AND	OFF	2009/11/25 12:51
S24	34	("20030227774"   "4081023"   "4204246"   "4411516"   "4729076"   "4733335"   "5038255"   "5268812"   "5347387"   "5632551"   "5890794"   "6113212"   "6349553"   "6371636"   "6377459"   "6407921"   "6481874"   "6517221").PN. OR ("6910794"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 12:52
S25	1	(11/851930).APP.	USPAT; USOCR	AND	OFF	2009/11/25 12:53
S26	3	("20060001384"   "6663248"   "7314291").PN. OR ("7413326"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 12:53
S27	15	("5857767"   "6149283"   "6220722"   "6577073"   "6617616"   "6864513"   "7086767"   "7097317"   "7144135").PN. OR ("7314291"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 12:54
S28	815566	((361") or ("362") or ("257") or ("438")).CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/25 13:13
S29	10023	S28 (carrier adj4 (circuit or device)) (insulat\$3 or dielectric adj3 (layer or coat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:15

S30	2623	S29 (carrier adj4 (circuit or device)) (thermal\$2 or electr\$4 adj3 (layer or coat\$3)) (thermal\$2 or electr\$4 adj3 (conduct\$4)) (electr\$4 adj3 (layer or coat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:17
S31	951	S30 (carrier adj4 (semiconductor or led))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:19
S32	42	S31 (individual\$2 adj2 (control\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:21
S33	0	S31 (thermal\$2 adj1 conduct\$3 adj3 (electrical\$2 adj1 conduct\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:25
S34	0	S31 (thermal\$2 adj1 (conduct\$3 adj3 (electrical\$2 adj1 (conduct\$3))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:25
S35	0	S31 (thermal\$2 adj1 conduct\$3 adj3 (electrical\$2 adj1 (conduct\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:26
S36	12	S31 (thermal\$2 adj1 (conduct\$3) adj3 (electrical\$2 adj1 (conduct\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:27
S37	405	S31 (coat\$3 or multilayer adj3 (carrier))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:29
S38	405	S37 (electr\$4 or current adj3 (path))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:30

S39	16	S37 (multilayer adj3 (thermal\$2 or insulat\$3 or dielectric\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:32
S40	16	S39 not S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 13:32
S41	0	("2005/0083698").URPN.	USPAT	AND	OFF	2009/11/25 14:10
S42	77	thermally electrically conductive apparatus one more layer multilayer coating formed portion element electronic device electric current.clm.	USPAT	AND	ON	2009/11/25 14:13
S43	226	thermally electrically conductive apparatus one more layer multilayer coating formed portion element electronic device electric current.clm.	US-PGPUB; USPAT	AND	ON	2009/11/25 14:13
S44	224	S43 (coat\$3 or multilayer adj3 (carrier))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 14:13
S45	14	S44 (multilayer adj3 (thermal\$2 or insulat\$3 or dielectric\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 14:13
S46	2	S44 (carrier adj4 (semiconductor or led))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/25 14:15
S47	0	S44 not S42	USPAT	AND	ON	2009/11/25 14:18
S48	2	S42 not S44	USPAT	AND	ON	2009/11/25 14:19
S49	90	("20030030808"   "20030201451"   "20040041222"   "20040079957"   "20040131096"   "20040169451"   "20040169466"   "20040213016"   "20040222433"   "20050012108"   "20050045904"   "20050139846"   "20050158687"   "20050199884"   "20050221519"   "20050231983"   "20050269587"   "20060001384"   "20060017127"   "20060022214"   "20060083000"   "20060098439"   "20060105485"   "20060193139"   "20070090737"   "20070091618"   "20070189012"   "20070236935"	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 14:24

		"20070253202"   "20070279909"   "20070297178"   "20080007955"   "20080013316"   "20080023720"   "20080043472"   "20080043479"   "20080055909"   "20080089070"   "4729076"   "4971142"   "5077587"   "5355942"   "5813753"   "5890794"   "6204523"   "6211626"   "6345903"   "6410982"   "6452217"   "6480389"   "6483705"   "6498355"   "6507159"   "6510995"   "6590235"   "6610563"   "6610598"   "6617795"   "6630801"   "6639360"   "6659578"   "6679315"   "6707069"   "6717362"   "6741351"   "6858870"   "6860621"   "6867929"   "6897486"   "6903380"   "6910794"   "6921929"   "6924514"   "6933535"   "6940704"   "6946714"   "6949771"   "6976769"   "6982522"   "6991356"   "6995402"   "7015516"   "7023022"   "7026657"   "7045905"   "7066733"   "7105858"   "7210832"   "7314291"   "7320593").PN. OR ("7505268"). URPN.				
S50	1	(11/398234).APP.	US-PGPUB; USOCR	AND	OFF	2009/11/25 14:36
S51	107	(smith adj1 (courtney))	USPAT	AND	OFF	2009/11/25 14:42
S52	50	("20050116235"   "20050161682"   "20060191675"   "20070102142"   "3404061"   "3678995"   "4234638"   "4739448"   "4782893"   "4812792"   "4878152"   "4895713"   "4961991"   "5192605"   "5224030"   "5255738"   "5287248"   "5316080"   "5366688"   "5461201"   "5509993"   "5542471"   "5660917"   "5902762"   "5944097"   "5958572"   "6027807"   "6060166"   "6075701"   "6131651"   "6141216"   "6147869"   "6208513"   "6278613"   "6362964"   "6503626"   "6538892"   "6555223"   "6673289"   "6706400"   "6749010"   "6758263"   "6771502"   "6886249"   "6930885"   "7077585"   "7102172"   "7176502"   "7303005"). PN. OR ("7505275").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 14:44
S53	56	("20010032985"   "20020004251"   "20020034834"   "20020163006"   "20020175621"   "20020176250"   "20030010993"   "20030025465"   "20030057421"   "20040026706"   "20040150995"   "20040222433"   "20040233672"   "20050029535"   "20050189557"   "20050225222"   "20060006405"   "3711789"   "4886709"   "4935655"   "5117281"   "5122781"   "5140220"   "5482898"   "5485037"   "5581876"   "5660481"   "5725808"   "5745624"   "5841244"   "5847935"   "5857767"   "5953203"	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/25 14:48

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S54	0	(10/788116).APP.	USPAT; USOCR	AND	OFF	2009/11/25 14:53
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